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AKR7L Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21497a

Specification

AKR7L Antibody (N-Term) - Product Information

Application	**WB, IF,E**
Primary Accession	Q8NHP1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**36970**
Antigen Region	**32-64**

AKR7L Antibody (N-Term) - Additional Information

Gene ID 246181

Other Names
Aflatoxin B1 aldehyde reductase member 4, 1---, AFB1 aldehyde reductase 3, AFB1-AR 3, Aldoketoreductase 7-like, AKR7L, AFAR3, AKR7A4

Target/Specificity
This AKR7L antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 32-64 amino acids from human AKR7L.

Dilution
WB~~1:2000
IF~~1:25
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AKR7L Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

AKR7L Antibody (N-Term) - Protein Information

Name AKR7L

Synonyms AFAR3 {ECO:0000303|PubMed:12879023}, AKR

Function Can reduce the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the non-binding AFB1 dialcohol. May be involved in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen (By similarity).

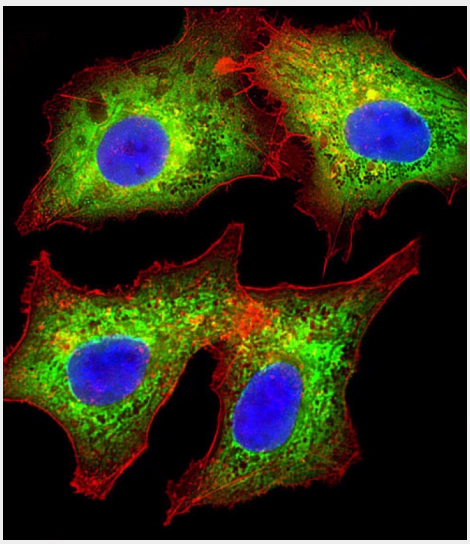
Tissue Location
Mainly expressed in uterus.

AKR7L Antibody (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AKR7L Antibody (N-Term) - Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells labeling AKR7L with AP21497a at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HepG2 cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).The nuclear counter stain is DAPI (blue).

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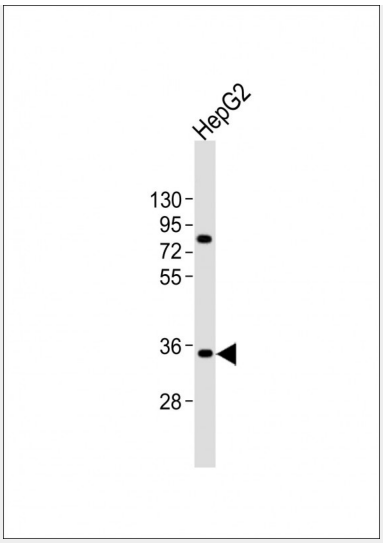

Anti-AKR7L Antibody (N-Term)at 1:2000 dilution + HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 37 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

AKR7L Antibody (N-Term) - Background

Can reduce the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the non-binding AFB1 dialcohol. May be involved in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen (By similarity).

AKR7L Antibody (N-Term) - References

Gregory S.G.,et al.Nature 441:315-321(2006).
Praml C.,et al.Oncogene 22:4765-4773(2003).